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STEVEN R. SANTEMA
INTELLECTUAL PROPERTY SECTION
1303 EL ALGONQUIN ROAD
SCHAUMBURG, IL., 60196



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHAPMAN, MARK D.

DOC DATE: 10/17/2000

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ASSIGNOR:

RYAN, THOMAS P.

DOC DATE: 08/04/2000 Technology Center 2600

ASSIGNOR:

KNAPCZYK, STANLEY J.

DOC DATE: 08/02/2000

ASSIGNOR:

VAN TASSLE, CARLTON R.

DOC DATE: 09/03/2000

ASSIGNEE:

MOTOROLA, INC.
1303 EAST ALGONQUIN ROAD
SCHAUMBURG, ILLINOIS 60196

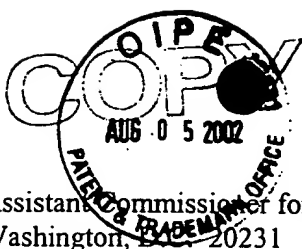
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Sir:

Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies): Chapman, Mark D.; Ryan, Thomas P.; Knapczyk, Stanley J.; Van Tassle, Carlton R.

2. Name and Address of Receiving Party

- Motorola, Inc.,
1303 East Algonquin Road
Schaumburg, Illinois 60196

State of Incorporation

Delaware

3. Nature of Conveyance: Assignment Execution Date: 8/2/00, 8/3/00, 8/4/00, 8/10/00

4. This document is being filed for that described, illustrated and claimed in an application for Letters Patent of the United States of America filed on June 13, 2000. **Serial number** 09/593,028

Docket No.: CM03526H

Title:

METHOD AND APPARATUS FOR SCAN OPERATION IN
AN INTEGRATED VOICE AND DATA COMMUNICATION
SYSTEM

5. Please send correspondence to:

Motorola, Inc.
Intellectual Property Department
1303 E. Algonquin Road
Schaumburg, IL 601966. Total Number of applications and patents involved: 17. Total Fee (37 CFR 3.41) \$ 40.00

8. Authorization to charge all recording fees to Deposit Account No.: 13-4772. A duplicate copy of this sheet is attached.

9. To the best of my knowledge and belief, the foregoing information is a true and correct original document.

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SEND CORRESPONDENCE TO:

Motorola, Inc.
Intellectual Property Section
Law Department
1303 E. Algonquin Road
Schaumburg, IL 60196Total Number of pages comprising cover sheet and copy: 2
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By:

Steven R. SantemaSteven R. Santema
Attorney for Applicant(s)
Reg. No.: 40,156
Telephone: (847) 576-6733
Fax No.: (847) 576-0721

Date:

November 8, 2000I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Assistant Commissioner for Patents
Washington, D.C. 20231November 8, 2000
(Date of Deposit)Jimmy A. Olson
(Name of Applicant, assignee, or Registered Rep.)Jimmy A. Olson 11-800
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PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **MARK D. CHAPMAN, MARENGO, IL; THOMAS P. RYAN, PALATINE, IL; STANLEY J. KNAPCZYK, JUSTICE, IL; and CARLTON R. VAN TASSLE, ALGONQUIN, IL;** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **METHOD AND APPARATUS FOR SCAN OPERATION IN AN INTEGRATED VOICE AND DATA COMMUNICATION SYSTEM**

(Docket No. **CM03526H**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **MOTOROLA, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **MOTOROLA, INC.**, for the sole use and benefit of **MOTOROLA, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **MOTOROLA, INC.**

We agree that, when requested, we will, without charge to MOTOROLA, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in MOTOROLA, INC., its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Mark D. Chapman
MARK D. CHAPMAN

DATE: Aug 10, 2000

STATE OF ILLINOIS)

COUNTY OF COOK)

SS:

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Mark D. Chapman whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 10th day of August 10, 2000.

My commission expires



Nicole M Pavoris
Notary Public Signature

Nicole M. Pavoris
Printed Name of Notary Public

☒ MARK D. CHAPMAN appeared before me

THOMAS P. RYAN
THOMAS P. RYAN

DATE: 8/4/00

STATE OF ILLINOIS)

ss:

COUNTY OF COOK)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Thomas P. Ryan whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 4th day of August, 2000.

My commission expires:



Nicole M. Pavoris
Notary Public Signature

Nicole M. Pavoris
Printed Name of Notary Public

☒ THOMAS P. RYAN appeared before me

Stanley J. Knapczyk
STANLEY J. KNAPCZYK

DATE: 8/2/00

STATE OF ILLINOIS)

ss:

COUNTY OF COOK)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Stanley J. Knapczyk whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 2nd day of August, 2000.

My commission expires:



Nicole M. Pavoris
Notary Public Signature

Nicole M. Pavoris
Printed Name of Notary Public

☒ STANLEY J. KNAPCZYK appeared before me

Carlton R. Van Tassle

CARLTON R. VAN TASSLE

DATE: 8/3/00

STATE OF ILLINOIS)

COUNTY OF COOK)

SS:

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Carlton R. Van Tassle whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3rd day of August, 2000.

My commission expires



Nicole M. Pavoris
Notary Public Signature

Nicole M. Pavoris
Printed Name of Notary Public

☒ CARLTON R. VAN TASSLE appeared before me

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Assistant Commissioner for Patents
Washington, D.C. 20221

on November 8, 2000
(Date of Deposit)

Tammy A. Olson
(Name of Applicant, Assignor, or Registered Rep.)

Tammy A. Olson 11-8-00
Signature

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Washington, D.C. 20221

on August 14, 2000
(Date of Deposit)

Nicole M. Pavoris
(Name of Applicant, Assignor, or Registered Rep.)

Nicole M. Pavoris 8/14/00
Signature Date